

WHAT WE CLAIM IS:

1. A trampoline and enclosure system comprising:

a trampoline comprising a flexible mat and a plurality of springs holding the mat in tension within a peripheral frame of the trampoline which surrounds the mat; and

5 an enclosure system comprising a barrier of a flexible material surrounding the mat above the mat and having a lower peripheral part coupled directly or indirectly to the mat and a plurality of resiliently flexible generally upright enclosure support members outside of the barrier relative to the mat and which are connected at or towards the lower ends of the enclosure support members to the frame of the trampoline and at or towards their upper ends to the barrier at or near an upper peripheral part of the barrier to support the barrier above the mat, and which are free to resiliently deform away from the mat when impacted by a user against the barrier or an enclosure support member, and which are also connected together at or towards the upper ends of the 10 enclosure support members to draw and pre-tension the upper ends of the enclosure support members away from their natural rest state (when connected only at their lower ends to the frame of the trampoline) and towards the centre of the mat.

2. A trampoline and enclosure system according to claim 1, wherein said barrier 20 comprises a flexible net material.

3. A trampoline and enclosure system according to either of claims 1 or 2 wherein the enclosure support members hold the barrier in tension.

25 4. A trampoline and enclosure system according to any one of claims 1 to 3, wherein the enclosure support members are pultruded fibreglass rods.

5. A trampoline and enclosure system according to any one of claims 1 to 4 wherein the enclosure support members are connected together at or towards their upper 30 ends by an upper peripheral part of the barrier.

6. A trampoline and enclosure system according to any one of claims 1 to 4 wherein the enclosure support members are connected together at or towards their upper ends by a flexible connecting element

5 7. A trampoline and enclosure system according to claim 6 wherein said flexible connecting element is fixed to or integral with the barrier at or towards an upper peripheral part of the barrier.

10 8. A trampoline and enclosure system according to any one of claims 1 to 7, wherein the enclosure support members are connected to the frame of the trampoline below the surface of the mat.

15 9. A trampoline and enclosure system comprising:
a trampoline comprising a flexible mat and a plurality of coil springs holding
the mat in tension within a peripheral frame of the trampoline which surrounds the mat;
and

20 an enclosure system comprising a barrier of a flexible net material surrounding
the mat above the mat and having a lower peripheral part coupled directly or indirectly
to a periphery of the mat and a plurality of resiliently flexible generally upright
enclosure support members outside of the barrier relative to the mat and which are
connected at or towards the lower ends of the enclosure support members to the frame
of the trampoline so that in their natural rest state (when connected only at the lower
ends to the frame of the trampoline) the enclosure support members extend away from
the mat, and which are connected to the barrier net only at or near an upper peripheral
25 part of the barrier to hold the net in tension above the mat, and which enclosure support
members are also connected together at or towards the upper ends of the enclosure
support members to draw the upper ends of the enclosure support members away from
their natural rest state (when connected only at their lower ends to the frame of the
trampoline) and towards the centre of the mat, so that when impacted by a user against
30 the barrier on one side of the enclosure causing the barrier and enclosure support
member on that side of the enclosure to resiliently deform away from the mat, the

enclosure support members and barrier on the opposite side of the enclosure will be resiliently deformed towards the centre of the mat.

10. A trampoline and enclosure system according to claim 10, wherein the
5 enclosure support members are pultruded fibreglass rods.

11. A trampoline and enclosure system comprising:

a trampoline comprising a flexible mat and a plurality of coil springs holding
the mat in tension within a peripheral frame of the trampoline which surrounds the mat;
10 and

an enclosure system comprising a barrier of a flexible net material surrounding
the mat above the mat and having a lower peripheral part coupled directly or indirectly
to a periphery of the mat and a plurality of resiliently flexible generally upright
enclosure support members outside of the barrier relative to the mat and which are
15 connected at or towards the lower ends of the enclosure support members to the frame
of the trampoline and which are connected to the barrier net only at or near an upper
peripheral part of the barrier to hold the net in tension above the mat, and which
enclosure support members are also connected together at or towards the upper ends of
the enclosure support members to draw the upper ends of the enclosure support
20 members away from their natural rest state (when connected only at their lower ends to
the frame of the trampoline) and towards the centre of the mat, so that when impacted
by a user against the barrier on one side of the enclosure causing the barrier and
enclosure support member on that side of the enclosure to resiliently deform away from
25 the mat, the enclosure support members and barrier on the opposite side of the enclosure
will be resiliently deformed towards the centre of the mat.

12. A trampoline and enclosure system according to claim 11, wherein the
enclosure support members are pultruded fibreglass rods.